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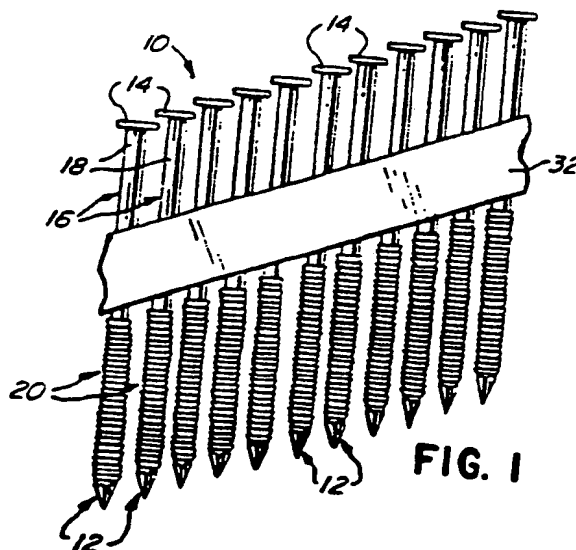
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24.10.90 Bulletin 90/43(71) Applicant: ILLINOIS TOOL WORKS INC.  
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(54) Nail strip.

(57) A strip of collated nails for use with a rapidly acting, nail-driving tool. The shank (16) of each nail (12) has a cylindrical portion (18) adjoining the head (14) and a ringed portion (20) and having an axial array of annular rings of an outer diameter greater than the diameter of the cylindrical portion (18). The nails are collated by a pair of tapes (30,32), each tape extending across and being adhered to a respective one of diametrically opposed areas on the cylindrical portion of the shank of each nail by an adhesive layer (34). Each tape and the adhesive layer adhering such tape have a combined thickness covering, on one side of the nail shanks, less than one-half of the difference between outer diameter of the rings and the diameter of the cylindrical portion or cylindrical portions, whereby a nail driven from the strip into a workpiece tends to carry into the workpiece, along with the driven nail, such portions of the tapes and the adhesive layers as are torn from the strip with the driven nail.



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# EUROPEAN SEARCH REPORT

Application Number

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DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
A	GB-A-2 058 004 (SIGNODE CORPORATION) * abstract; figures 1-3 *	1,3,5,8	F 16 B 15/08 B 65 D 85/24
A	US-A-3 861 527 (PERKINS) * column 1, lines 49-68; figures 1-3 *	1,3,5,8	
A	US-A-3 137 858 (POWERS) * claims 9,10; figures 1,2 *	1,3,5,8	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			F 16 B B 65 D
Place of search		Date of completion of the search	Examiner
BERLIN		24-07-1990	SMITH C A
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			
T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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